整理番号　95YA0356

図面

【図1】 Fig.1

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                                                    GGAGGAGG      -61
AGGAAGAGGAGGAGAAGGTAGCTACACCAACCTCCGTAGCAGGCAGATCCAAACCATATC     -1
ATGAAGTTTCCAGGGCCCTTTCGAAAACCAGAGATTGTCTTTCCTGTTGGAAAAGGCAATC     60
 M  K  F  P  G  P  L  E  N  Q  R  L  S  F  L  L  E  K  A  I
ACTAGGGAAGCACAGATGTGGAAAGTGAATGTGCGGAAAAATGCCTTCAAATCAGAATGTT    120
 T  R  E  A  Q  M  W  K  V  N  V  R  K  M  P  S  N  Q  N  V
TCTCCATCCCAGACAGATCAAGTAATTCAATGGCTGGCCAAACTCAAGTACCAATTCAAC    180
 S  P  S  Q  R  D  E  V  I  Q  W  L  A  K  L  K  Y  Q  F  N
CTTTACCCAGAAACATTTGCTCTGGCTAGCAGTCTTTTGGATAGGTTTTTAGCTACCGTA    240
 L  Y  P  E  T  F  A  L  A  S  S  L  L  D  R  F  L  A  T  V
AACCCTCATCCAAAATACTTCAGTTGTATTGCAATCAGCTGTTTTTTCCTAGCTGCCAAG    300
 K  A  H  P  K  Y  L  S  C  I  A  I  S  C  F  F  L  A  A  K
ACTGTTGAGGAAGATGAGAGAATTCCAGTACTAAAGGTATTGGCAAGAGACAGTTTCTGT    360
 T  V  E  E  D  E  R  I  P  V  L  K  V  L  A  R  D  S  F  C
GGATGTTCCTCATCTGAAATTTTGAGAATGGAGAGAATTATTCTGGATAAGTTGAATTGG    420
 C  C  S  S  E  I  L  R  M  E  R  I  I  L  D  K  L  N  W
GATCTTCACACAGCCACACCATTGGATTTTCTTCATATTTTCCATGCCATTGCAGTGTCA    480
 D  L  H  T  A  T  P  L  D  F  L  H  I  F  H  A  I  A  V  S
ACTAGGCCTCAGTTACTTTTCAGTTTGCCCAAATTGAGCCCATCTCAACATTTGGCAGTC    540
 T  R  P  Q  L  L  F  S  L  P  K  L  S  P  S  Q  H  L  A  V
CTTACCAACCAACTACTTCACTGTATGGCCTGCAACCAACTTCTGCAATTCAGAGGATCC    600
 L  T  K  Q  L  L  H  C  M  A  C  N  Q  L  L  Q  F  R  G  S
ATGCTTGCTCTGGCCATGGTTAGTCTGGAAATGGAGAAACTCATTCCTGATTGGCTTTCT    660
 M  L  A  L  A  M  V  S  L  E  M  E  K  L  I  P  D  W  L  S
CTTACAATTGAACTCCTTCAGAAAGCACAGATGGATACCTCCCACTTGATCCATTGTCGG    720
 L  T  I  E  L  L  Q  K  A  Q  M  D  S  S  Q  L  I  H  C  R
GAGCTTGTGGCACATCACCTTTCTACTCTGCAGTCTTCCCTGCCTCTGAATTCCGTTTAT    780
 E  L  V  A  H  H  L  S  T  L  Q  S  S  L  P  L  N  S  V  Y
GTCTACCGTCCCCTCAAGCACACCCTCGTGACCTGTGACAAACGACTGTTCAGATTACAT    840
 V  Y  R  P  L  K  H  T  L  V  T  C  D  K  G  V  F  R  L  H
CCCTCCTCTGTCCCAGGCCCAGACTTCTCCAAGGACAACAGCAAGCCAGAAGTGCCAGTC    900
 P  S  S  V  P  G  P  D  F  S  K  D  N  S  K  P  E  V  P  V
AGAGGTACAGCAGCCTTTTACCATCATCTCCCAGCTGCCAGTGGGTGCAAGCAGACCTCT    960
 R  G  T  A  A  F  Y  H  H  L  P  A  A  S  G  C  K  Q  T  S
ACTAAACGCAAAGTAGAGGAAATGGAAGTGGATGACTTCTATGATGGAATCAAACGGCTC   1020
 T  K  R  K  V  E  E  M  E  V  D  D  F  Y  D  G  I  K  R  L
TATAATGAAGATAATGTCTCAGAAAATGTGGGTTCTGTGTGTGGCACTGATTTATCAAGA   1080
 Y  N  E  D  N  V  S  E  N  V  G  S  V  C  G  T  D  L  S  R
CAAGAGGGACATGCCTTCCCCCTTGTCCACCTTTGCAGCCTCTTTCTCTCATCTAGTTTCAA   1140
 Q  E  G  H  A  S  P  C  P  P  L  Q  P  V  S  V  M  -
CAAGTGCTACCTTTGAGTGTAAACTAAGGTAGACTACTTTGGGAATGAGAACATCCAAAA   1200
TCAGGAAAGGCTGTAGAAGGAAATATACCTTAACAGGCTGATTTGGAGTGACCCAGAAAA   1260
```

図2 Fig. 2

A

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CYCLIN A    ----MRAI-LVD LEVGEEYKL--QN LHEAVNY  238
CYCLIN B    ----MRAI-LDD VQVQMKERG--LQE MYMTVEI  229
CYCLIN C    ----LQIF-PTNVIQA EGEHLK--RQQVI ATVY      88
CYCLIN D    ----MRKI-AT MLEVCEEQKC--EE SVEP AMNY     94
CYCLIN E    ----MRAI-LLD MEVCEVYKL--HR SIEYR QDF     157
CYCLIN F    ----MRYI-LED LVEVATMKDF--TSLCLH TVEC     337
CYCLIN G    MTARL RDFS RDL SLTQF-GF--DT TES DVNL      33
CYCLIN H    ----LCKY-YERR LEFCSV PAMPRSVVGTACMY       86
CYCLIN I    VSPSQRD-SVRQ MAK KYQENI--YP ETEADAS SL    72
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CYCLIN A    IDRF SSM-SVLRGK DQLVGTAAML FAS K--FEE  269
CYCLIN B    IDRFMQNN-CVPKKMLQLVGVTAMFIAS K--YSE    260
CYCLIN C    FKRF YRY-SLKSIDPVLH APT V AS --YSE     119
CYCLIN D    DDRFLSLE-PVK SRDQLLGATQMEVAS K--VSE    115
CYCLIN E    FDRYMSTQENVVATL IQLIG SLE IAAK--MKE    189
CYCLIN F    VDRYLRRR-LVERYRDQLLGEACMVICTR--FIS     368
CYCLIN G    FDRFSKMKVQAE-HDGEVGLSERYEAVKSIEE      66
CYCLIN H    FKRFYLNN-SVMEYHPRIEMLTDAFPACK--VDE    117
CYCLIN I    LDRFLAAV KAH EK-YES CEAANSQEEDAA TVEED  105
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CYCLIN A    IYP EVAEFVYI-TDDTYTK------KQVE-FEE    295
CYCLIN B    MYF EIYGDFAFV-TDNTYTK------HQER-QHE   286
CYCLIN C    FGVVSNTRHIAAATSVLKTRFSYAFPK SPVRPN    153
CYCLIN D    TIPLTAEK CIY-TDNSIRP------EPLI-QME    141
CYCLIN E    IYP SKIHQFA YV-TDGACSG------DEIL-TME   215
CYCLIN F    KEILTIREAVWL-TDNTYKY------EDNVRMM    394
CYCLIN G    RNVE LATDLIEI-EQYRPTV------ED-LMHME    92
CYCLIN H    FN-VSSP---------QFVGHLRESPLGQEKALE   141
CYCLIN I    ERLEVIKV DARD-SFCGES------EPCA-RME   131
```

B

```
CYCLIN G:
CYCLIN I:  MKPDQPLENQ  RLSFLLEKAI  TEEAQHWKVN  VRKMPSNQNV M TARLEDPHUK  11
                                                           RPSQHF-EUK   49

CYCLIN G:  DLESLTQP-E  GPDTEFRS E  VNFGRAFLSK  MEVQAEAGSE  VQLERYPAV   60
CYCLIN I:  QWTAKLEYQE  NLYPETPA S  SSUUDRFLAT  VSARPKYGSE  IATSCPPSN   99

CYCLIN G:  KSIEESRNVE  LATDLIEIEQ  YRPTVED-EH  AEERLVEKV  CNKVKATSAF  109
CYCLIN I:  KTVEDRRIS   VLKVEARDSF  CGCGESS EI  ERERLIDKL  NEDLETAEPL  148

CYCLIN G:  QFIQLTYSLI  RKILE-----  PER-RNDLNF  RRLERAIIKAS  -ERAIIPSKA  153
CYCLIN I:  DLEHIPHAIA  VSSREQLLPS  LPKLSPSQHL  A VKTKQELRC  MACHQLL-QF  197

CYCLIN G:  KPSVPEEXII  ALEIQAETTV  STEGVECIG  KHSKISGRDL  TPWQERYSKC  203
CYCLIN I:  RGEMESQIPD  SLMEKEIPD  WHSLTXELLQ  H-AQHDGSQE  IHCRELVAHH  246

CYCLIN G:  ETBYSSNKC-  -SKPNGQKEE  WIVSGRTARQ  LKESYYRITH  LPTIPSTMG   250
CYCLIN I:  ASTLQQSLPL  NSVYVYRPES  HTLVTCDKGV  PRLRPSSVPC  PDPSKDNGKP  296

CYCLIN I:  BVPVRGTAAF  YSHLPAASGC  KQTSTKRKVS  SMSVDDFYDG  IXRLYNSDNV  346

CYCLIN I:  SBNVGSVCGT  DLSAQSGHAS  PCPPLQSVSV  M                       377
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[図3] Fig、3

A

SCG10
antisense

DG   CA3

F

CTX   CA1

CP

DG   CA3